

**Lab 03**

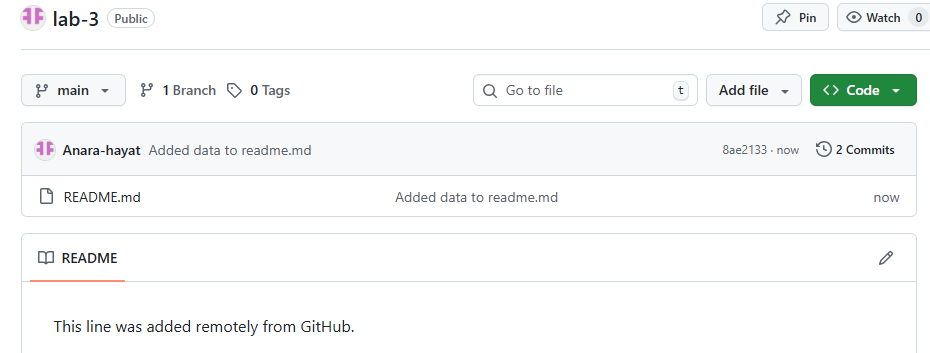
**Lab Title: Working with Git History, Stashing, and Reverting Commits**

**Submitted to: Engr. Muhammad Shoaib**

**Submitted by: Anara Hayat**

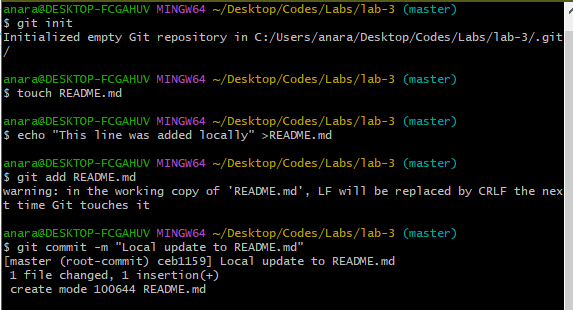
**Reg#No: 2023-BSE-008**

**1.Open your repository on GitHub and edit the README.md file directly in the browser.**

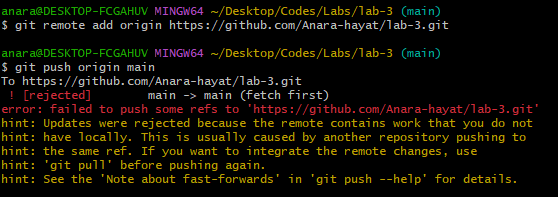
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**2.On your local machine, open the same repository folder.**

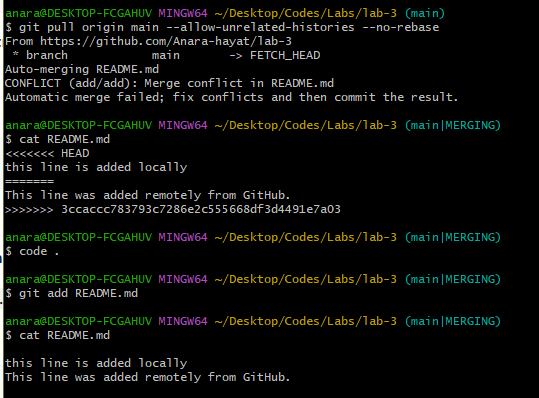
* **Edit the same README.md file locally**
* **Stage and commit your changes**

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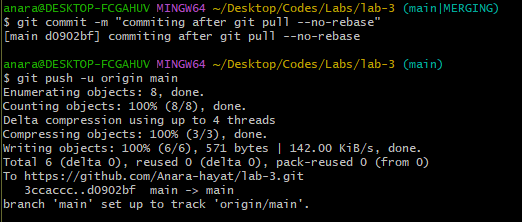
* **Try to push**

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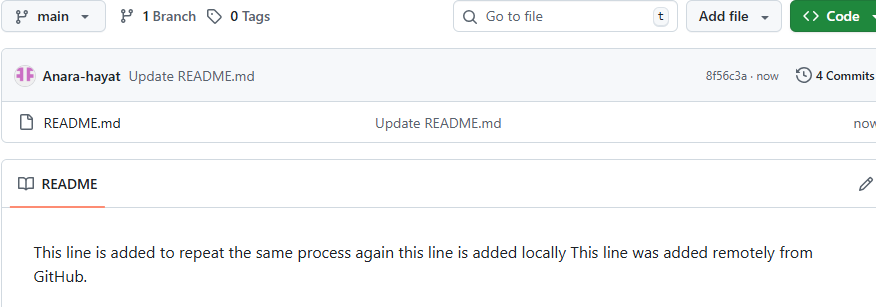
* **To fix this, pull the latest changes from remote:**

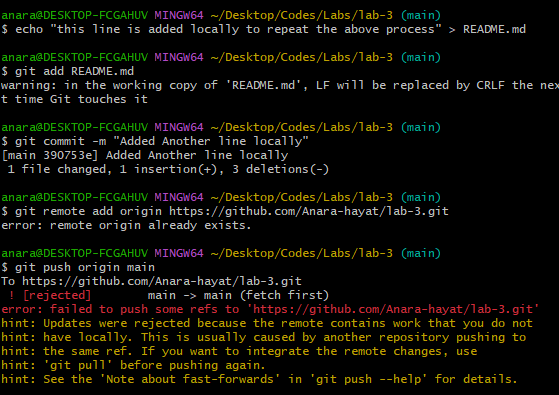
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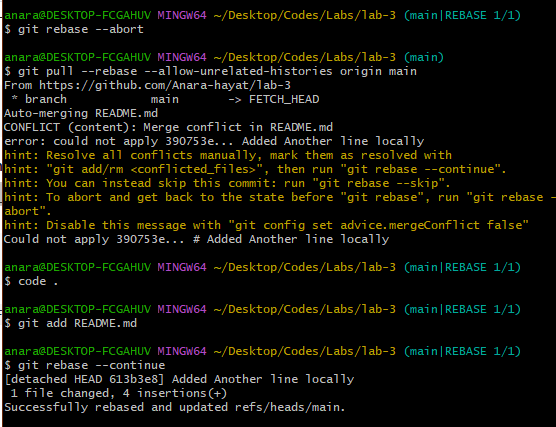
* **Push again:**

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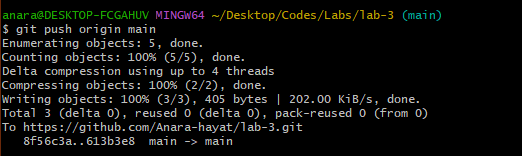
* **Now repeat the same process, but this time use rebase instead of merge**

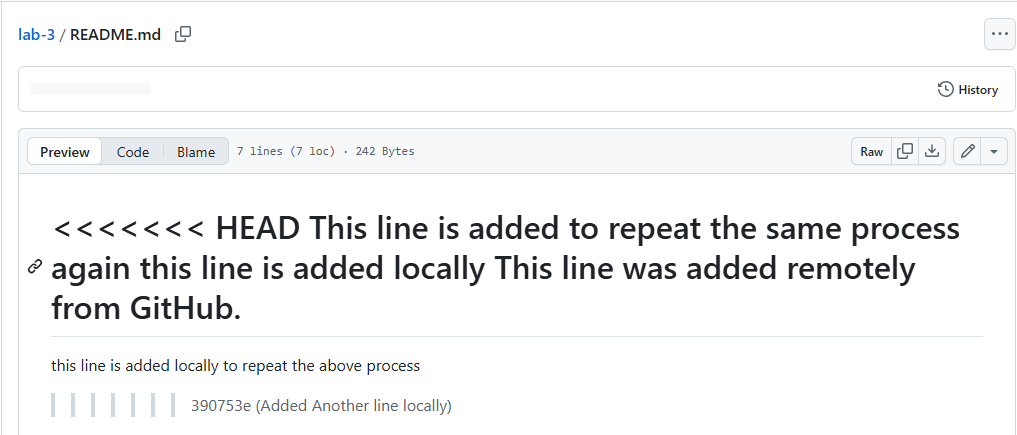


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**Push:**

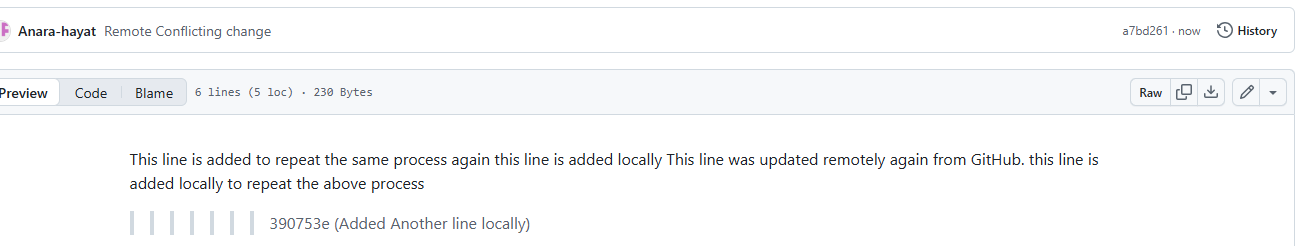
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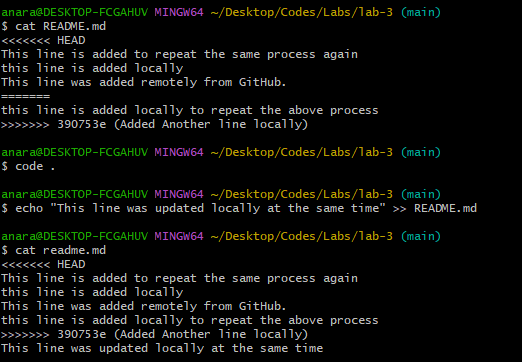
**Task 2 – Creating and Resolving Merge Conflicts Manually**

**Steps**

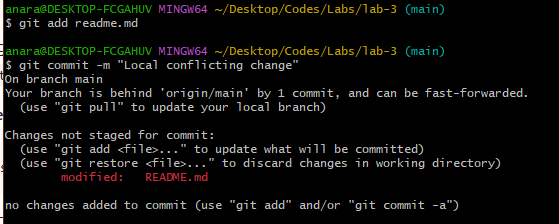
1. **On GitHub (remote), open your README.md file and change an existing line.**
2. **Commit your change with the message: *Remote conflicting change***

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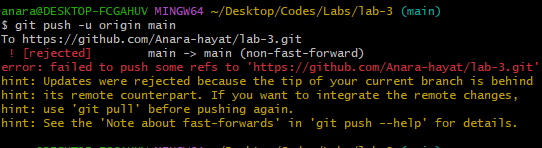
**On your local machine, edit the same line in the same file but make a different change**

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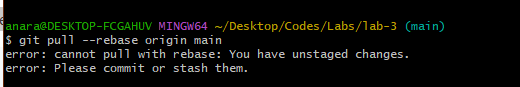
**Stage and commit your local change:**

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**Try to push:**

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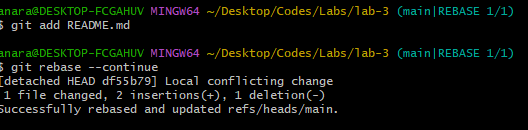
**Pull with rebase to bring in remote changes:**

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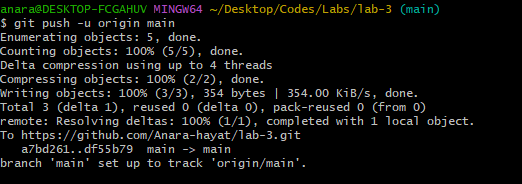
**Open the README.md file in your editor — you’ll see conflict markers like this**

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**After fixing the file, mark the conflict as resolved and continue the rebase**

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**Finally, push your changes:**

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**Task 3 – Managing Ignored Files with .gitignore and Removing Tracked Files**